CA 7965000

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP

10-81

Section I

MANUFACTURER'S NAME BCSTIK WEST, DIV. OF USM CORPORATION, AN EMHART

street address 20846 So. Normandie Ave. city, state, and zip code Torrance, Ca.

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS

**EPOXY** 

M/10-7903 Black

MANUFACTURERS CODE IDENTIFICATION

463-3-8b

OCCUPATIONAL

Catalyst: CA-103

Mix Ratio: 3 parts 463-3-8(Base) to 1

part CA-103 BY VOLUME.

TRADE NAME

SE FLAT

Section II - HAZARDOUS INGREDIENTS

NGREDIENT 463-3-8b(Base Only)	CAS No.	PERCENT	TL PPM		LEL	VAPOR PRESSURE
		(#6.)	PFM	mg/M³		um ng.
Cellosolve acetate	.111–15–9	15-20	100		1.7	2.0
Methyl ethyl ketone	78-93-3	10-15	200		1.8	70.0
Methyl propyl ketone	107-87-9	5-10	200		1.56	27.8
Toluene	108-88-3	5-10	200		1.2	22.0
Butyl cellosolve	111-76-2	<b>&lt;</b> 5.0	50		1.1	1.0
Xylene	1330-20-7	<b>&lt;</b> 5.0	100		1.0	7.0
Isopropyl alcohol	67-63-0	<b>&lt;</b> 1.0	400		2.5	33.0
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### Section III - PHYSICAL DATA

**BOILING RANGE** 

176-340° F

VAPOR DENSITY

X HEAVIER

LIGHTER, THAN AIR

EVAPORATION RATE

FASTER X SLOWER, THAN ETHER

PERCENT VOLATILE

64%

WEIGHT PER GALLON 9.8 1bs.

# Section IV — FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Red Label, Flammable

(Mín) FLASH POINT

23° F. Tag Closed Cup

1.0 LEL

**EXTINGUISHING MEDIA** 

Exclude air - Use foam,  ${\rm CO_2}$ , steam, water fog,

dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between

upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

#### Section V — HEALTH HAZARD DATA

THRESHOLDLIMIT VALUE See Section II

EFFECTS OF OVEREXPOSURE Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.

EMERGENCY AND FIRST AID PROCEDURES: Skin Exposure: Wash affected area with soap and water. Exposure: Flush with water for at least 15 minutes, consult physician.

Ingestion: Consult physician immediately.

Inhalation: Remove victim to fresh air, consult physician.

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STABILITY UNSTABLE INCOMPATABILITY (Materials to avoid) HAZARDOUS DECOMPOSITION PROD	Strong oxidizing	conditions to Avoid : Storage at agents, Inorganic acids	high temperatures. Sparks & Open Flame
On combustion CO, C	${\rm CO}_2$ , Oxides of nit	trogen.	
HAZARDOUS POLYMERIZATION [CONDITIONS TO AVOID None	MAY OCCUR XX WILL N	IOT OCCUR	

## Section VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Eliminate sources of ignition and clear fumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust or oil absorbing compound. Wash waste disposal method area with detergent & water. Consult disposal expert and ensure conformity with local regulations.

# Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION
Use approved respiratory protection such as an air-supplied mask if used in non ventilated area.
Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION Face velosity > 60 fpm in confined area.

PROTECTIVE GLOVES: Chemically resistant gloves.

EYE PROTECTION: Chemical splash goggles or face shield.

OTHER PROTECTIVE EQUIPMENT: Eye bath & safety shower.

#### Section IX — SPECIAL PRECAUTIONS

RECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Material is sensitive to moisture & should be kept in tightly closed containers. Do not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied these containers retain product residues (vapor, liquid, etc).

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

Kenneth &. Silberberg

Technical Administrative Manager

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP. 3/82 (Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

Section | DON 1/D - CA 103

MANUFACTURER'S NAME

BOSTIK WEST.

DIVISION OF EMHART CORPORATION

STREET ADDRESS

20846 S. NORMANDIE AVE. CITY, STATE, AND ZIP CODE TORRANCE, CA

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS

TRADE NAME

AMINE

BOSTIK

MANUFACTURERS CODE IDENTIFICATION

CA-103

Catalyst for: 463-3-8B

Mix Ratio: 3 parts 463-3-8B(Base) to

1 part CA-103 by volume

## Section II — HAZARDOUS INGREDIENTS

INGREDIENT CA-103 Epoxy Catalyst	CAS NO.	PERCENT (Wt.)	T! PPM	LV mg/M³	LEL	VAPOR PRESSURE
Methyl Ethyl Ketone Butyl Alcohol n-Butyl Acetate Isopropyl Alcohol Butyl Cellosolve Tertiary Aromatic Amine Amino Silane Ester  *8 hour, TWA, ACGIH **Not Established	78-93-3 71-36-3 123-86-4 71-36-3 111-76-2 90-72-2 1760-24-3	20-25 15-20 15-20 15-20 5-10 5-10 5-10	200 100 150 400 50 *5 **N.E.		1.8 1.7 1.7 2.5 1.1 N.E. N.E.	70 4 8 33 1 <b>&lt;</b> 0.01 <b>&lt;</b> 1.0

#### Section III - PHYSICAL DATA

**BOILING RANGE** 

176-340° F.

**VAPOR DENSITY** 

X HEAVIER

LIGHTER, THAN AIR

**EVAPORATION RATE** 

FASTER

X SLOWER, THAN ETHER

PERCENT VOLATILE BY VOLUME

WEIGHT PER GALLON 86.5%

6.9 lbs.

#### Section IV — FIRE AND EXPLOSION HAZARD DATA

**DOT CATEGORY** 

Red Label, Flammable

(Min) FLASH POINT

23° F. Tag Closed Cup LEL 1.1

**EXTINGUISHING MEDIA** 

Exclude air-Use foam, CO2, steam, water fog, dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between

upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

## Section V — HEALTH HAZARD DATA See Section II THRESHOLD LIMIT VALUE **EFFECTS OF OVEREXPOSURE** Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes. EMERGENCY AND FIRST AID PROCEDURES Skin Exposure: Wash affected area with soap and water. Eye Exposure: Flush with water for at least 15 minutes, consult physician. Ingestion: Consult physician immediately. Remove victim to fresh air, consult physician. Section VI — REACTIVITY DATA UNSTABLE XX STABLE conditions to Avoid Storage at high temperatures. INCOMPATABILITY (Materials to avoid) Strong oxidizing agents. Sparks & open flame. HAZARDOUS DECOMPOSITION PRODUCTS On combustion CO, CO2, Aldehydes and other organics, oxides of nitrogen. HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR CONDITIONS TO AVOID Section VII — SPILL OR LEAK PROCEDURES steps to be taken in case material is released or spilled: Eliminate sources of ignition and clear fumes Prevent liquied from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without waste disposal method hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water. Consult disposal expert and ensure conformity with local regulations. Section VIII — SPECIAL PROTECTION INFORMATION RESPIRATORY PROTECTION : Use approved respiratory protection such as an air-supplied mask if used in non ventilated area. Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

ventilation: Face velosity > 60fpm in confined area.

PROTECTIVE GLOVES Chemically resistant gloves. EYE PROTECTION Chemical splash goggles or face shield. other protective equipment Eye bath & Safety shower.

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed when not in use. Do Not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied -these other precautions containers retain product residues (vapor, liquid, etc.).

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Kenneth J./Silberberg
Technical Administrative Manager